

2010 Soil Fumigant Label Changes



Brandi Martin

DPR-Pesticide Registration Branch

2010 Soil Fumigant Label Changes

- 2009 Chloropicrin RED (Reregistration Eligibility Decision)
- Received 49 label amendments
 - 9 Chloropicrin
 - 11 1,3-Dichloropropene/Chloropicrin
 - 23 Methyl Bromide/Chloropicrin
 - 1 Dazomet
 - 3 Metam Sodium
 - 2 Metam Potassium

2010 Soil Fumigant Label Changes

- Evaluated by:
 - Worker Health & Safety
 - Medical Toxicology
 - Environmental Monitoring
 - Pesticide Use Enforcement
 - Pesticide Registration
- All 49 label amendments: Accepted between September 21st and November 18th
- U.S. EPA required December 31, 2010 deadline.

2010 Soil Fumigant Label Changes

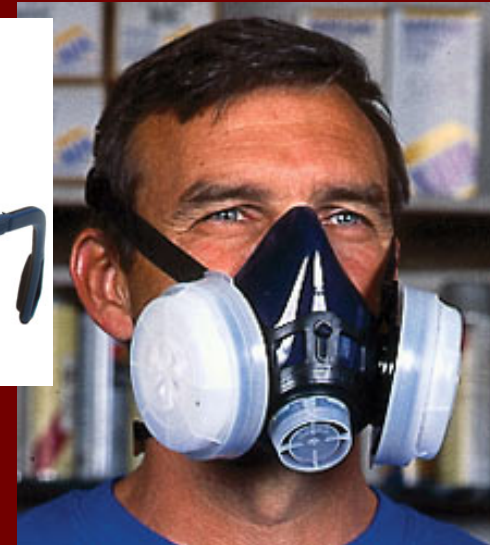
■ PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Revised section to comply with Chloropicrin RED
- Much more detailed PPE depending upon what type of handler you are
- Main changes are :

Protective Eyewear
(**do not** wear goggles)

Respiratory Protection

*SCBA is NOT permitted for routine handler tasks.



2010 Soil Fumigant Label Changes

■ ENVIRONMENTAL HAZARDS

- Revised section to comply with Chloropicrin RED

- Now all labels are consistent in saying, “This pesticide is toxic to mammals and birds.” and “Chloropicrin has certain properties and characteristics in common with chemicals that have been detected in groundwater (chloropicrin is highly soluble in water and has low adsorption to soil).”



2010 Soil Fumigant Label Changes

■ HANDLERS (FUMIGATION)

- Added section to comply with Chloropicrin RED

- Certain activities are prohibited from being performed in the application block by anyone not trained and equipped as handlers from the start of the application until the REI ends. (WPS 40 CFR Part 170)

- Activities include (but aren't limited to):

1. Air sampling
2. Cleaning up fumigant spills
3. Handling fumigant containers
4. Tarp work
5. Cleaning fumigation equipment
6. Working with irrigation equipment in block



2010 Soil Fumigant Label Changes

■ PROTECTION for HANDLERS

- Added section to comply with Chloropicrin RED
- Supervision of Handlers
- Exclusion of Non-Handlers from Application Block
- Providing, Cleaning, and Maintaining PPE
- Respirator Availability
- Respirator Fit Testing, Medical Qualification, and Training



2010 Soil Fumigant Label Changes

■ Respiratory Protection and Stop Work Triggers

- Added section to comply with Chloropicrin RED

- These procedures must now be followed to determine whether an air-purifying respirator is required or if operations must cease for any person performing a handling task

- If at any time any handler experiences sensory irritation (tearing, burning of the eyes or nose) then either one above must be done.

- If a handler experiences sensory irritation while wearing an air-purifying respirator or the air sample is \geq to 1.5ppm, then...



2010 Soil Fumigant Label Changes

■ APPLICATION REQUIREMENTS:

- Added section to comply with Chloropicrin RED
- Tarp Perforation and/or Removal
- Also includes EARLY Tarp Perforation and/or Removal if adverse weather conditions (i.e. high wind, hail, storms, floods) exist.



What is wrong with this picture?

2010 Soil Fumigant Label Changes

■ MANDATORY GOOD AGRICULTURAL PRACTICES (GAPs):

-Added section to comply with Chloropicrin RED

1. When to Treat
2. Tarps
3. Weather Conditions
4. Soil Preparation
5. Soil Sealing
6. Soil Temperature
7. Application Depth and Spacing
8. Prevention of End Row Spillage
9. Calibration, Set-up, Repair, and Maintenance for Application Rigs
10. Planting Interval
11. Soil Moisture



2010 Soil Fumigant Label Changes

■ **SITE SPECIFIC FUMIGATION MANAGEMENT PLAN (FMP):**

- Added section to comply with Chloropicrin RED
- Certified applicator must verify that a site-specific FMP exists for each application block, unless multiple application blocks are being fumigated, in which it can be captured in one FMP with subsequent sections.
- The FMP must be prepared by the certified applicator, the site owner/operator, registrant, or other party.
- Each FMP must include the following:

2010 Soil Fumigant Label Changes

■ **SITE SPECIFIC FUMIGATION MANAGEMENT PLAN (FMP) (Cont.):**

1. Applicator Information
2. PPE
3. General Site Information
4. Soil Conditions
5. General Application Information
6. Tarp Information
7. Emergency procedures
8. Weather Conditions
9. Air Monitoring Plan
10. GAPS
11. Hazard Communication and much more

****A Post-Application Summary must also be included!!!**

2010 Soil Fumigant Label Changes

■ ENTRY RESTRICTED PERIOD and NOTIFICATION REQUIREMENTS:

-Added section to comply with Chloropicrin RED

-Entry Restricted Period:

- More detailed information on timeframes, depending upon the type of application.

-Notification Requirements:

- Added:

1. Date and time entry restricted period is over
2. Name of the product
3. Personal information of the certified applicator



2010 Soil Fumigant Label Changes

******There are multiple other changes that were completed in this round, but they were specific to each individual label (i.e. Storage & Disposal, Grammar, Directions for Use, etc.)

2010 Soil Fumigant Label Changes

■ Contact Information:

Ms. Brandi Martin
Department of Pesticide Regulation
Pesticide Registration Branch
1001 I. St., P.O. Box 4015
Sacramento, CA 95812
Environmental Scientist
bmmartin@cdpr.ca.gov
916-445-7230

